

Atty. Docket No. YOR20010151US1  
(590.057)

**REMARKS**

Applicants and the undersigned are most grateful for the time and effort accorded the instant application by the Examiner. The Office is respectfully requested to reconsider the rejections presented in the outstanding Office Action in light of the following remarks.

Claims 1-4, 6-9, 12-21, 24-29, and 31-49 are currently pending for examination, of which claims 1, 24, 25, 27 and 46-49 are independent; the remaining claims are dependent claims. Applicants have rewritten independent claims 1, 24, 27, and 46-48 and dependent claims 4 and 29. Applicants intend no change in the scope of the claims by the changes made by this amendment. It should be noted these amendments are not in acquiescence of the Office's position on allowability of the claims, but merely to expedite prosecution.

**Rejections under 35 U.S.C. § 112, 2<sup>nd</sup> paragraph:**

Claims 4 and 29 stand rejected under 35 U.S.C. § 112, 2<sup>nd</sup> paragraph for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention.

Claims 4 and 29 stand rejected under 35 U.S.C. § 112, 2<sup>nd</sup> paragraph for use of the claim terminology "and a sufficient change in parameters relating to a user." The Examiner considers this terminology to be improper because, according to the Examiner,

Atty. Docket No. YOR20010151US1  
(590.057)

one of ordinary skill in the art would not know what constitutes a "sufficient" change to cause a trigger of execution.

Claims 4 and 29 have been amended to replace the claim terminology of "sufficient" with "significant." Applicants respectfully submit that claims 4 and 29, as amended, particularly point out and distinctly claim the subject matter that Applicants regard as the invention and would be easily understood by one of ordinary skill in the art. Support for these amendments can be found, *inter alia*, at page 21 lines 6-10 of the Specification. Applicants respectfully request that the Examiner withdraw the rejection of claims 4 and 29 under 35 U.S.C. § 112, 2<sup>nd</sup> paragraph.

Applicants note that the present amendments to claims 4 and 29 are made to address the Examiner's rejections under 35 U.S.C. § 112, 2<sup>nd</sup> paragraph and not to overcome any cited prior art.

**Rejections under 35 U.S.C. § 103(a)  
over Shoham ('989) in view of Boyden ('0036964):**

Claims 1-4, 6-7, 9, 12-17, 21, 25-29, 31, 32, 34-40, 43-45, 47 and 49 stand rejected as being unpatentable over U.S. Patent 6,285,989 to Shoham (hereinafter Shoham ('989)) in view of U.S. Published Application 2003/0036964 of Boyden et al. (hereinafter Boyden ('0036964)) under 35 U.S.C. § 103(a).

As best understood, Shoham ('989) teaches a universal on-line trading market design and deployment system comprising a market-specification console (MSC), a programmable auction server (PAS), a universal trading console (UTC), a universal

Atty. Docket No. YOR20010151US1  
(590.057)

surveillance console (USC), a market administration console (MAC), and a communications network that connects the various components in the system (Fig. 1 and Col. 5, lines 20-57).

Information regarding the operation of an auction including information regarding the type of auction and auction rules is input into the MSC and then uploaded into the PAS. The PAS aggregates all such information and auction results in a database that provides auction reports. The UTC obtains user information and has a proxy function that allows for automatic bidding. The UTC allows the user, either manually or through the proxy, to compute and place bids (Col. 5, line 65 to Col. 10, line 67 and Col. 15, lines 12-20).

Shoham ('989) does not teach "obtaining market history information related to auctions other than the ongoing auction and aggregating [the] other market information into a previous market history [and] augmenting [the] market history with [the] previous market history based on consideration of the relevancy of [the] previous market history to the ongoing auction (claim 1)."

Nor does Shoham ('989) teach "automatically choosing an order computation method from a plurality of order computation methods (claim 25)."

As best understood, Boyden ('0036964) teaches a method and system of valuating used vehicles for sale at an electronic auction using a computer. As part of the valuations provided by the auction service a buyer is provided with various independent used car valuations such as the "Kelley Blue Book" valuation via a webpage or electronic

Atty. Docket No. YOR20010151US1  
(590.057)

message. The valuation is provided to assist a buyer in making a bid on a car up for auction (Figs. 3C, 3D, & 10 and ¶¶ [0043], [0044], & [0068]). The Examiner asserts that this feature corresponds to Applicants' claimed subject matter in claim 1 discussed above. The Examiner states that it would have been obvious to one of ordinary skill in the art to incorporate such a feature into the auction system of Shoham ('989) for the purpose of providing an auction participant with a historical perspective on the valuation of items at auction.

Boyden ('0036964) also teaches that a bidder can acquire used cars in three different manners. A bidder can manually input bids to the system (Fig. 3F), utilize a simple proxy program that automatically increases a bidder's bid up to a maximum value input by the bidder (Fig. 3G), or a bidder can simply purchase the vehicle at a seller's purchase price thus foregoing the auction process (Fig. 3I) (¶¶ [0040]-[0051]). The Examiner asserts that this feature corresponds to Applicants' claimed subject matter in claim 25 discussed above. The Examiner states that it would have been obvious to one of ordinary skill in the art to incorporate such a feature into the auction system of Shoham ('989) for the purpose of providing a bidder with flexibility in bidding to obtain a particular good or service (rejection of claim 24).

Applicants respectfully submit that in order to establish a *prima facie* case of obviousness three criteria must be met. First, there must be some suggestion or motivation to modify a reference or combine reference teachings, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. Second, the modification or combination must have some reasonable expectation of

Atty. Docket No. YOR20010151US1  
(590.057)

success. Third, the prior reference or combined references must teach or suggest all the claim limitations. MPEP § 2143. The teachings of a prior art reference must be considered as a whole including those portions that would lead away from the claimed invention. MPEP § 2141.02(VI).

With regards to independent claim 1, Applicants respectfully submit that the combined teachings of Shoham ('989) and Boyden ('0036964) do not teach or suggest all of the claim limitations.

Claim 1, as amended, recites "automatically augmenting said market history with said previous market history based on consideration of the relevancy of said previous market history to the ongoing auction."

As noted by the Examiner Shoham ('989) does not teach the method steps of obtaining market history information related to auctions other than the ongoing auction and aggregating that information into a previous market history or augmenting a market history based on consideration of relevancy of the previous market history to the ongoing auction.

Boyden ('0036964) teaches providing one or more different independent valuations, such as the "Kelley Blue Book" valuation, to a bidder in order to aid a bidder in making an informed and confident bid (Figs. 3C, 3D, & 10 and ¶¶ [0043], [0044], & [0068]). Even if this feature could be considered to correspond to Applicants' claimed method steps in some manner the feature does not automatically augment a market

Atty. Docket No. YOR20010151US1  
(590.057)

history relating to an ongoing auction with these independent valuations based on their relevancy to the ongoing auctions as is currently claimed.

If such valuations are considered at all they are only considered by a bidder upon viewing the valuations and in deciding whether to make a bid at a certain price or in just buying the vehicle at the seller's price. The process is not automatic; rather it is up to the bidder him/her/itself to consider such valuations and their relevance to the ongoing auction. Boyden ('0036964) therefore fails to overcome the deficiencies of Shoham ('989) with regards to the currently claimed subject matter and further rejection of claim 1 on these grounds would be improper.

For the foregoing reasons, Applicants respectfully submit that claim 1 is allowable over Shoham ('989) and Boyden ('0036964). Applicants respectfully request that the Examiner withdraw the rejection of claim 1 as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under 35 U.S.C. § 103(a).

With regards to the rejections of claims 2-4, 6, 7, 9, 12-17, and 21, these claims are all dependent upon independent claim 1. Applicants respectfully submit that these claims are allowable over Shoham ('989) and Boyden ('0036964) for at least the same reasons as discussed above with regards to claim 1. Applicants respectfully request that the Examiner withdraw the rejection of these claims as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under § 103(a).

Atty. Docket No. YOR20010151US1  
(590.057)

With regards to independent claim 25, Applicants respectfully submit that the combined teachings of Shoham ('989) and Boyden ('0036964) do not teach or suggest all of the claim limitations.

The Examiner, in rejecting this claim, points toward the rejection of claim 1, and asserts that Shoham ('989) functions in the "automatic" environment of the Internet. The Examiner does not address the limitation added by Applicants in a prior response as to a method step of "automatically choosing an order computation method from a plurality of order computation methods." The Examiner does address similar subject matter in the rejection of claim 24, however, so with the lack of indication as to how exactly claim 25 stands rejected Applicants' remarks here will also be directed to the comments made by the Examiner with regards to the rejection of claim 24.

Shoham ('989), as noted by the Examiner, does not teach a plurality of order computation methods or the choosing of one order computation method from such a plurality.

As best understood, Boyden ('0036964) teaches that a bidder can purchase a used vehicle three different ways. A bidder can manually input a bid to the system as shown in Fig. 3F. A bidder may utilize a simple proxy that "ups" the bid up to a maximum bid input by the bidder to the system as shown in Figs. 3F & 3G. Or a bidder can simply buy a vehicle outright by indicating that he/she/it is willing to buy the vehicle at the seller's price as shown in Figure 3I (¶¶ [0040]-[0051]). Even if this feature could be considered to correspond to Applicants' claimed method step in some manner the feature does not

Atty. Docket No. YOR20010151US1  
(590.057)

automatically choose an order computation method from a plurality of order computation methods. Rather it is up to the user to manually choose which of these methods best suits his/her/its needs and purchasing strategy. Boyden ('0036964) therefore fails to overcome the deficiencies of Shoham ('989) with regards to the currently claimed subject matter of claim 25.

The Examiner fails to mention how an auction process is rendered "automatic" just by being conducted on the Internet. The auction taught by Boyden ('0036964) is also conducted over the Internet and, as demonstrated above, is not automatic. Neither Shoham ('989) nor Boyden ('0036964) teach "automatically choosing of an order computation method from a plurality of order computation methods." The process taught by Boyden ('0036964) will not become automatic just by virtue of being incorporated into an Internet based auction as taught by Shoham ('989) given that the functioning on the Internet does not necessarily require automatic operation. As evidenced by the fact that the choosing process taught by Boyden ('0036964) takes place over the Internet and is not automatic. The rejection is therefore improper.

For the foregoing reasons, Applicants respectfully submit that claim 25 is allowable over Shoham ('989) and Boyden ('0036964). Applicants respectfully request that the Examiner withdraw the rejection of claim 25 as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under 35 U.S.C. § 103(a).

With regards to the rejection of claim 26, this claim is dependent upon independent claim 25. Applicants respectfully submit that claim 26 is allowable over

Atty. Docket No. YOR20010151US1  
(590.057)

Shoham ('989) and Boyden ('0036964) for at least the same reasons as discussed above with regards to claim 25. Applicants respectfully request that the Examiner withdraw the rejection of claim 26 as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under § 103(a).

With regards to the rejection of independent claim 27, this claim has been amended to recite "a computer-implemented arrangement for automatically choosing an order computation method from a plurality of order computation methods" in order to track a similar method step limitation in claim 25. Applicants respectfully submit that claim 27 is allowable over Shoham ('989) and Boyden ('0036964) for at least the same reasons as discussed above with regards to claim 25. Applicants respectfully request that the Examiner withdraw the rejection of the subject matter of claim 27 as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under § 103(a).

With regards to the rejections of claims 28, 29, 31, 32, 34-40, and 43-45 these claims are all dependent upon independent claim 27. Applicants respectfully submit that these claims are allowable over Shoham ('989) and Boyden ('0036964) for at least the same reasons as discussed above with regards to claim 27. Applicants respectfully request that the Examiner withdraw the rejection of these claims as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under § 103(a).

With regards to the rejection of independent claim 47, this claim has been amended to recite "automatically choosing an order computation method from a plurality of order computation methods while taking into account the user specified parameters and

the information relating to the history of orders" in order to track a similar method step limitation in claim 25. Applicants respectfully submit that claim 47 is allowable over Shoham ('989) and Boyden ('0036964) for at least the same reasons as discussed above with regards to claim 25. Applicants respectfully request that the Examiner withdraw the rejection of the subject matter of claim 47 as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under § 103(a).

With regards to the rejection of independent claim 49, this claim recites the method step of "automatically choosing an order computation method from a plurality of order computation methods" just as claim 25 does. Applicants respectfully submit that claim 49 is allowable over Shoham ('989) and Boyden ('0036964) for at least the same reasons as discussed above with regards to claim 25. Applicants respectfully request that the Examiner withdraw the rejection of the subject matter of claim 49 as being unpatentable over Shoham ('989) in view of Boyden ('0036964) under § 103(a).

**Rejections under 35 U.S.C. § 103(a) over Shoham ('989) in view of Boyden ('0036964), and further in view of *Price Formation*:**

Claims 18-20, 24, 41-42, 46, and 48 stand rejected as being unpatentable over Shoham ('989) in view of Boyden ('0036964), and in further view of Gjerstad and Dickhaurt, *Price Formation in Double Auctions* (hereinafter *Price Formation*) under 35 U.S.C. § 103(a).

As best understood., *Price Formation* teaches the formulation and proof for a belief function for use in an auction environment (§§ 2.4.2-2.4.6). Applicants would like to note that the teachings of *Price Formation* are not sufficient to overcome the

Atty. Docket No. YOR20010151US1  
(590.057)

previously discussed deficiencies in the teachings of Shoham ('989) and Boyden ('0036964) with regard to the claimed subject matter of claims 1 and 25.

With regards to claims 18-20, these claims are dependent upon independent claim

1. Applicants respectfully submit that claim 1 is allowable over Shoham ('989) and Boyden ('0036964) as established above. Claims 18-20 are also allowable, then, for at least the same reasons as claim 1. Applicants respectfully request that the Examiner withdraw the rejection of claims 18-20 as being unpatentable over Shoham ('989) in view of Boyden ('0036964), and in further view of *Price Formation* under 35 U.S.C. § 103(a).

With regards to the rejection of independent claim 24, this claim has been amended to recite “automatically choosing an order computation method from a plurality of order computation methods” in order to track a similar method step limitation in claim 25. Applicants respectfully submit that claim 24 is allowable over Shoham ('989), Boyden ('0036964), and *Price Formation* for at least the same reasons as discussed above with regards to claim 25 (noting that *Price Formation* contains no teachings related to the above-mentioned claimed subject matter). Applicants respectfully request that the Examiner withdraw the rejection of the subject matter of claim 24 as being unpatentable over Shoham ('989) in view of Boyden ('0036964), and in further view of *Price Formation* under § 103(a).

With regards to claims 41 and 42, these claims are dependent upon independent claim 27. Applicants respectfully submit that claim 27 is allowable over Shoham ('989) and Boyden ('0036964) as established above. Claims 41 and 42 are also allowable, then,

for at least the same reasons as claim 27. Applicants respectfully request that the Examiner withdraw the rejection of claims 41 and 42 as being unpatentable over Shoham ('989) in view of Boyden ('0036964), and in further view of *Price Formation* under 35 U.S.C. § 103(a).

With regards to the rejection of independent claim 46, this claim has been amended to recite “an arrangement for automatically choosing an order computation method from a plurality of order computation methods” in order to track a similar method step limitation in claim 25. Applicants respectfully submit that claim 46 is allowable over Shoham ('989), Boyden ('0036964), and *Price Formation* for at least the same reasons as discussed above with regards to claim 25 (noting that *Price Formation* contains no teachings related to the above-mentioned claimed subject matter). Applicants respectfully request that the Examiner withdraw the rejection of the subject matter of claim 46 as being unpatentable over Shoham ('989) in view of Boyden ('0036964), and in further view of *Price Formation* under § 103(a).

With regards to the rejection of independent claim 48, this claim has been amended to recite “automatically choosing an order computation method from a plurality of order computation methods” in order to track a similar method step limitation in claim 25. Applicants respectfully submit that claim 48 is allowable over Shoham ('989), Boyden ('0036964), and *Price Formation* for at least the same reasons as discussed above with regards to claim 25 (noting that *Price Formation* contains no teachings related to the above-mentioned claimed subject matter). Applicants respectfully request that the Examiner withdraw the rejection of the subject matter of claim 48 as being unpatentable.

Atty. Docket No. YOR20010151US1  
(590.057)

over Shoham ('989) in view of Boyden ('0036964), and in further view of *Price Formation* under § 103(a).

**Rejections under 35 U.S.C. § 103(a) over Shoham ('989) in view of Boyden ('0036964), and in further view of Harrington ('099):**

Claims 8 and 33 stand rejected as being unpatentable over Shoham ('989) in view of Boyden ('0036964), and in further view of U.S. Patent 6,161,099 to Harrington et al. (hereinafter Harrington ('099)) under 35 U.S.C. § 103(a).

With regards to this rejection, claims 8 and 33 are dependent upon independent claims 1 and 27 respectively. Applicants respectfully submit that claims 1 and 27 are allowable over Shoham ('989) and Boyden ('0036964) as established above. Claims 8 and 33 are also allowable, then, for at least the same reasons as claims 1 and 27. Applicants respectfully request that the Examiner withdraw the rejection of claims 8 and 33 as being unpatentable over Shoham ('989) in view of Boyden ('0036964), and in further view of Harrington ('099) under 35 U.S.C. § 103(a).

The "prior art made of record" has been reviewed. Applicants acknowledge that such prior art was not deemed by the Office to be sufficiently relevant to have been applied against the claims of the instant application. To the extent that the Office may apply such prior art against the claims in the future, Applicants will be fully prepared to respond thereto.

In view of the foregoing, it is respectfully submitted that Claims 1, 24, 25, 27, and 46-49 fully distinguish over the applied art and are thus allowable. By virtue of

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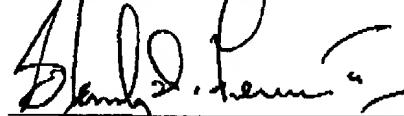
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Atty. Docket No. YOR20010151US1  
(590.057)

dependence from allowable Claims 1, 24, 25, 27, and 46-49, it is also submitted that  
Claims 2-4, 6-9, 12-21, 26, 28-29, 31-45 are allowable at this juncture as well.

In summary, it is respectfully submitted that the instant application, including  
Claims 1-4, 6-9, 12-21, 24-29, and 31-49, is presently in condition for allowance. Notice  
to the effect is hereby earnestly solicited. If there are any further issues in this  
application, the Examiner is invited to contact the undersigned at the telephone number  
listed below.

Respectfully submitted,



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